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APR 25 2008

IN THE CLAIMS:

Claim 1 (currently amended): A connection assembly detachably connected to a main body of a dental apparatus for use in dental diagnosis and treatment, wherein said connection assembly has a communication means for sending to said main body functional information ~~comprising at least one of~~ consisting of a control program, display mode and parameter which is executed by said main body to drive ~~[[for]]~~ said connection assembly.

Claim 2 (previously presented): The connection assembly as set forth in claim 1 or 17, wherein said communication means is comprised of a serial or parallel output type communication means.

Claim 3 (currently amended): The connection assembly as set forth in claim 1 or 17, wherein said communication means has a storage means for memorizing and storing said ~~functional information~~ control program.

Claim 4 (previously presented): The connection assembly as set forth in claim 1 or 17, wherein a microcomputer element or a communication integration element is used as said communication means.

Claim 5 (canceled).

Claim 6 (previously presented): The connection assembly as set forth in claim 1 or 17, further comprising an identification signal output means with nonvolatile storage means, wherein any one of serial data, voltage level signals of which wave height value is varied at a predetermined repetition cycle, frequency identification signals of which frequency is varied is used as an identification signal from said identification signal output means, based on the data stored in said nonvolatile storage means.

Claim 7 (previously presented): The connection assembly as set forth in claim 1 or 17, further comprising a connection part for detachably connecting said connection assembly to said main body, wherein said connection part constitutes a multi junction connection.

Claim 8 (previously presented): The connection assembly as set forth in claim 1 or 17, wherein said communication means is a passive element electrically to be connected to said main body.

Claim 9 (previously presented): The connection assembly as set forth in claim 1 or 17, wherein said connection assembly includes a charging battery.

Claim 10 (currently amended): A dental apparatus for use in dental diagnosis and treatment in which a connection assembly is detachably connected to a main body of the dental apparatus, wherein:

said connection assembly is comprised of a communication means for sending to said main body of said dental apparatus functional information ~~comprising at least one of~~ consisting of a control program, display mode and parameter for which is executed by said main body to drive said connection assembly, and wherein a function to be achieved by said connection assembly is realized through cooperating with said main body based on said functional information obtained from said communication means when connecting said connection assembly to said main body of said dental apparatus.

Claim 11 (previously presented): The dental apparatus for use in dental diagnosis and treatment as set forth in claim 10 or 18, wherein a part of said function is achieved by setting a driving circuit or a control circuit corresponding to the connected connection assembly.

Claim 12 (previously presented): The dental apparatus for use in dental diagnosis and treatment as set forth in claim 10 or 18, wherein a part of said function is achieved by setting display mode of display means and/or input mode of input means such as touch panel corresponding to the connected connection assembly.

Claim 13 (currently amended): The dental apparatus for use in dental diagnosis and treatment as set forth in claim 10 or 18, wherein a management of usage history and a ~~distinction~~ determination of using operator of the specified connection assembly ~~can be executed,~~ is performed when said connection assembly is specified based on said ~~functional information~~ control program obtained from said connection assembly.

Claim 14 (previously presented): The dental apparatus for use in dental diagnosis and treatment as set forth in claim 10 or 18, wherein said main body of said dental apparatus has a microcomputer element or a communication integration element as a communication means for communicating with said connection assembly to be connected.

Claim 15 (previously presented): The dental apparatus for use in dental diagnosis and treatment as set forth in claim 10 or 18, wherein said main body is provided with a multi-brunch structured with wiring, each end of said multi-brunch structured wiring being connected to a connection part for detachably connecting said connection assembly.

Claim 16 (canceled).

Claim 17 (currently amended): A connection assembly detachably connected to a main body of a dental apparatus for use in diagnosis and treatment, wherein said connection assembly has a communication means for sending to said main body functional information consisting of a control program which is executed by said main body to drive ~~for driving~~ said connection assembly and an identification signal for identifying said connection assembly.

Claim 18 (currently amended): A dental apparatus for use in dental diagnosis and treatment in which a connection assembly is detachably connected to a main body of the dental apparatus, wherein:

said connection assembly is comprised of a communication means for sending to said main body of said dental apparatus functional information consisting of a control program which is executed by said main body to drive ~~for driving~~ said connection assembly and an identification signal identifying said connection assembly, and wherein a function to

be achieved by said connection assembly is realized through cooperating with said main body based on said functional information obtained from said communication means when connecting said connection assembly to said main body of said dental apparatus.